

CLAIM AMENDMENTS

Please amend Claim 1 (~~striketrough~~ for deletion and underline for insertion):

1. (Currently amended) A method for ~~the~~ of treatment ~~of~~ for lung carcinoma, breast cancer, gastric and colon cancer, kidney cancer, pancreatic cancer, malignant melanoma, malignant lymphoma and certain oncological diseases, said method comprises a step of introducing a treatment agent into a circulating blood system of a cancer patient, said treatment agent destroys extracellular DNA said blood of said cancer patient,

wherein said treatment agent used to destroy said extracellular DNA is a DNase enzyme characterized by introducing blood extracellular DNA destroying agent into a systemic blood circulation.

2. (Currently Amended) ~~★~~ The method according to claim 1, further comprising a step of administering a daily dose of said agent for seven days and increasing said dose by its initial dose every seven days that there is no reaction at a primary tumor site, an increase in said daily dose continues every seven days until a reaction is noticed at said primary tumor site, wherein ~~which~~ characterized by introducing of blood extracellular DNA destroying said agent is introduced in doses sufficient to provide an blood extracellular DNA-electrophoretic profile change in said extracellular DNA, which said change can be revealed by pulse-gelelectrophoresis.

3. (Currently Amended) ~~★~~ The method according to claim 1, wherein said treatment agent

~~destroying blood extracellular DNA is introduced~~ administered in doses and regiments which provide blood plasma DNA-hydrolytic activity-, measured in blood plasma, to exceed 150 Kunitz units per liter of plasma during more then 12 hours in total within 24 hours.

4. (Currently Amended) ~~A~~ The method according to claim 3, wherein ~~the~~ said treatment is carried out during no less than 48 hours uninterruptedly.

5. (Cancel).

6. (Currently Amended) ~~A~~ The method according to claim ~~5~~ 1, wherein bovine pancreatic DNase is said agent used to destroy said extracellular DNA, ~~said bovine pancreatic DNase is used and it is,~~ bovine pancreatic DNase is parenterally introduced in doses ranging from 50,000 ~~50-000~~ Kunitz units to 250,000,000 ~~250-000-000~~ Kunitz units a day for ~~daily during~~ 5-360 days.

7. (Currently Amended) ~~A~~ The method according to claim ~~5~~ 1, wherein human recombinant DNase is used.

8. (Currently Amended) ~~A~~ The method according to claim 7, wherein human recombinant DNase I (Dornase alpha) ~~is used and it is~~ parenterally introduced in doses 1,15 mg/kg-500mg/kg of body weight daily during 5-360 days.

9. (Currently Amended) ~~A~~ The method according to claim 1, wherein the treatment is carried out for a term of life.

10. (Currently Amended) ~~A~~ The method according to claim 1, further including a step of introducing a binding agent into said blood system, said binding agent binds said extracellular DNA wherein in addition to the said treatment an agent binding the blood extracellular DNA is introduced into a systemic blood circulation.

11. (Currently Amended) ~~A~~ The method according to claim 10, wherein said binding agent is anti-DNA antibodies ~~are used as the agent binding blood extracellular DNA.~~

12. (Currently Amended) ~~A~~ The method according to claim 1, further comprising a step of introducing a ~~wherein in addition to said treatment an modifying~~ modifying agent into said blood system, wherein said modifying agent ~~which~~ modifies one or all of a chemical composition, a and/or conformation, a degree of polymerization, or an and/or polymery and/or an association with proteins, and/or lipids and/or ribonucleic acids of said ~~the blood~~ extracellular DNA is introduced into a systemic blood circulation.

13. (Currently Amended) ~~A~~ The method according to claim 12, wherein said modifying agent is a ribonuclease enzyme ~~is used as the said agent.~~

14. (Currently Amended) ~~A~~ The method according to claim 12, wherein said modifying agent is extracellular ribonuclease of *Serratia Mercenses* ~~a *Serratia Mercenses* bacterium is used as the~~
agent.